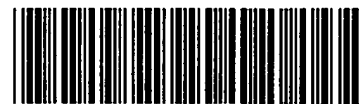


#18

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JUN 20 2003



TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:15

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

4 <110> APPLICANT: Kim, Jin-Soo  
 5 Kwon, Young Do  
 6 Kim, Hyun-Won  
 7 Ryu, Eun-Hyun  
 8 Hwang, Moon-Sun  
 10 <120> TITLE OF INVENTION: ZINC FINGER DOMAINS AND METHODS OF  
 11 IDENTIFYING SAME  
 13 <130> FILE REFERENCE: 12279-002001  
 15 <140> CURRENT APPLICATION NUMBER: 09/785,632C  
 16 <141> CURRENT FILING DATE: 2001-02-16  
 18 <160> NUMBER OF SEQ ID NOS: 180  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 10  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: HIV-1  
 27 <400> SEQUENCE: 1  
 28 gacatcgagc 10  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 10  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: HIV-1  
 35 <400> SEQUENCE: 2  
 36 gcagctgctt 10  
 38 <210> SEQ ID NO: 3  
 39 <211> LENGTH: 10  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: HIV-1  
 43 <400> SEQUENCE: 3  
 44 gctggggact 10  
 46 <210> SEQ ID NO: 4  
 47 <211> LENGTH: 10  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Homo sapiens  
 51 <400> SEQUENCE: 4  
 52 aggtgtggagt 10  
 54 <210> SEQ ID NO: 5  
 55 <211> LENGTH: 10  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Homo sapiens  
 59 <400> SEQUENCE: 5  
 60 gctgagacat 10  
 62 <210> SEQ ID NO: 6

p.6

ENTERED

## RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:15

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

```

63 <211> LENGTH: 47
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: optimal binding site
70 <400> SEQUENCE: 6
71 ccggcgtggg cggctgcgtg ggcgtgcgtg ggcggactgc gtgggcg          47
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 47
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: optimal binding site
81 <400> SEQUENCE: 7
82 tcgacgcca cgcagtccgc ccacgcacgc ccacgcagcc gcccacg          47
84 <210> SEQ ID NO: 8
85 <211> LENGTH: 49
86 <212> TYPE: DNA
87 <213> ORGANISM: HIV-1
89 <400> SEQUENCE: 8
90 ccggcgagcg ggcggctcag cgggcgtgag cgggcggatc gagcgggcg          49
92 <210> SEQ ID NO: 9
93 <211> LENGTH: 49
94 <212> TYPE: DNA
95 <213> ORGANISM: HIV-1
97 <400> SEQUENCE: 9
98 tcgacgccc ctcgatccgc ccgctcacgc ccgctcgacc gcccgctcg          49
100 <210> SEQ ID NO: 10
101 <211> LENGTH: 50
102 <212> TYPE: DNA
103 <213> ORGANISM: HIV-1
105 <400> SEQUENCE: 10
106 ccggctgctt gggcggctgc ttgggcgtgc ttgggcgggc tgcttgggcg          50
108 <210> SEQ ID NO: 11
109 <211> LENGTH: 50
110 <212> TYPE: DNA
111 <213> ORGANISM: HIV-1
113 <400> SEQUENCE: 11
114 tcgacgcca agcagccgc ccaagcacgc ccaagcagcc gcccaagcag          50
116 <210> SEQ ID NO: 12
117 <211> LENGTH: 47
118 <212> TYPE: DNA
119 <213> ORGANISM: HIV-1
121 <400> SEQUENCE: 12
122 ccggactggg cgggggactg ggcgtgactg ggcggagggg ctgggcg          47
124 <210> SEQ ID NO: 13
125 <211> LENGTH: 47
126 <212> TYPE: DNA
127 <213> ORGANISM: HIV-1

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## RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:15

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

```

129 <400> SEQUENCE: 13
130 tcgacgcccc gtccctccgc ccagtcacgc ccagtcacccc gccacgt      47
132 <210> SEQ ID NO: 14
133 <211> LENGTH: 47
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 14
138 ccggagtggg cggtggagtg ggcgtgagtg ggcggatgga gtggggcg      47
140 <210> SEQ ID NO: 15
141 <211> LENGTH: 47
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 15
146 tcgacgcccc ctccatccgc ccaactcacgc ccaactccacc gcccaact      47
148 <210> SEQ ID NO: 16
149 <211> LENGTH: 48
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 16
154 ccggacatgg gcggagacat gggcgtacat gggcggaaga catggggcg      48
156 <210> SEQ ID NO: 17
157 <211> LENGTH: 48
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 17
162 tcgacgcccc tgtcttccgc ccatgtacgc ccatgtctcc gcccatgt      48
164 <210> SEQ ID NO: 18
165 <211> LENGTH: 42
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: plasmid sequence
W--> 172 <221> NAME/KEY: CDS
173 <222> LOCATION: (1)...(42)
W--> 175 <400> 18
176 aaa gag ggt ggg tcg acc ttc cgg act ggc cag gaa cgc cca      42
177 Lys Glu Gly Gly Ser Thr Phe Arg Thr Gly Gln Glu Arg Pro
178 1 5 10
180 <210> SEQ ID NO: 19
181 <211> LENGTH: 14
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: plasmid sequence
188 <400> SEQUENCE: 19
189 Lys Glu Gly Gly Ser Thr Phe Arg Thr Gly Gln Glu Arg Pro
190 1 5 10
192 <210> SEQ ID NO: 20
193 <211> LENGTH: 303

```

## RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:15

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

```

194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: plasmid sequence
W--> 200 <221> NAME/KEY: CDS
201 <222> LOCATION: (25)...(291)
W--> 203 <400> 20
204 gggtcgacct tccggactgg ccag gaa cgc cca tat gct tgc cct gtc gag      51
205                               Glu Arg Pro Tyr Ala Cys Pro Val Glu
206                               1                               5
208 tcc tgc gat cgc cgc ttt tct cgc tcg gat gag ctt acc cgc cat atc      99
209 Ser Cys Asp Arg Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His Ile
210 10                               15                               20                               25
212 cgc atc cac act ggc cag aag ccc ttc cag tgt cga atc tgc atg cgt      147
213 Arg Ile His Thr Gly Gln Lys Pro Phe Gln Cys Arg Ile Cys Met Arg
214                               30                               35                               40
216 aac ttc agt cgt agt gac cac ctt acc acc cac atc cgg acc cac acc      195
217 Asn Phe Ser Arg Ser Asp His Leu Thr Thr His Ile Arg Thr His Thr
218                               45                               50                               55
220 ggc gag aag cct ttt gcc tgt gac att tgt ggg agg aag ttt gcc agg      243
221 Gly Glu Lys Pro Phe Ala Cys Asp Ile Cys Gly Arg Lys Phe Ala Arg
222                               60                               65                               70
224 agt gat gaa cgc aag agg cat acc aaa atc cat tta aga cag aag gat      291
225 Ser Asp Glu Arg Lys Arg His Thr Lys Ile His Leu Arg Gln Lys Asp
226 75                               80                               85
228 ccgcgggaat cc      303
230 <210> SEQ ID NO: 21
231 <211> LENGTH: 89
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: plasmid sequence
238 <400> SEQUENCE: 21
239 Glu Arg Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser
240 1                               5                               10                               15
241 Arg Ser Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys
242 20                               25                               30
243 Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His
244 35                               40                               45
245 Leu Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys
246 50                               55                               60
247 Asp Ile Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His
248 65                               70                               75                               80
249 Thr Lys Ile His Leu Arg Gln Lys Asp
250                               85
252 <210> SEQ ID NO: 22
253 <211> LENGTH: 69
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapiens

```

## RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:15

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

```

257 <400> SEQUENCE: 22
258 tataaatgta agcaatgtgg gaaagctttt ggatgtccct caaaccttcg aaggcatgga      60
259 aggactcac                                                                69
261 <210> SEQ ID NO: 23
262 <211> LENGTH: 23
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 23
267 Tyr Lys Cys Lys Gln Cys Gly Lys Ala Phe Gly Cys Pro Ser Asn Leu
268   1             5             10             15
269 Arg Arg His Gly Arg Thr His
270           20
272 <210> SEQ ID NO: 24
273 <211> LENGTH: 69
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 24
278 tataagtgtgta aggagtgtgg gaaagccttc aaccacagct ccaacttcaa taaacaccac      60
279 agaattcac                                                                69
281 <210> SEQ ID NO: 25
282 <211> LENGTH: 23
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 25
287 Tyr Lys Cys Lys Glu Cys Gly Lys Ala Phe Asn His Ser Ser Asn Phe
288   1             5             10             15
289 Asn Lys His His Arg Ile His
290           20
292 <210> SEQ ID NO: 26
293 <211> LENGTH: 69
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 26
298 tatgaatgta aggaatgtgg gaaagccttt agtagtggtt caaacttcac tcgacatcag      60
299 agaattcac                                                                69
301 <210> SEQ ID NO: 27
302 <211> LENGTH: 23
303 <212> TYPE: PRT
304 <213> ORGANISM: Homo sapiens
306 <400> SEQUENCE: 27
307 Tyr Glu Cys Lys Glu Cys Gly Lys Ala Phe Ser Ser Gly Ser Asn Phe
308   1             5             10             15
309 Thr Arg His Gln Arg Ile His
310           20
312 <210> SEQ ID NO: 28
313 <211> LENGTH: 75
314 <212> TYPE: DNA
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 28

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/785,632C

DATE: 06/13/2003  
TIME: 13:27:16

Input Set : A:\12279-002001.txt  
Output Set: N:\CRF4\06132003\I785632C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:68; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:69; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:70; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:71; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:72; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,18,19,20,23,24,25,26,27  
Seq#:73; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:74; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:75; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,18,19,20,23,24,25,26,27  
Seq#:76; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23,24  
Seq#:76; Xaa Pos. 25,26,27  
Seq#:77; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,17,18,19,20,21,22,23  
Seq#:77; Xaa Pos. 24  
Seq#:78; Xaa Pos. 3,4,6  
Seq#:81; N Pos. 11,17,20  
Seq#:82; N Pos. 10,11,16  
Seq#:83; Xaa Pos. 4,5,7  
Seq#:85; N Pos. 36,39,45,48,51,54  
Seq#:88; N Pos. 6,7,8,18,19,20,30,31,32  
Seq#:89; N Pos. 11,12,13,23,24,25,35,36,37  
Seq#:108; N Pos. 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40  
Seq#:108; N Pos. 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59  
Seq#:108; N Pos. 60,61,62,63,64,65,66,67,68,69,70,71,72  
Seq#:109; N Pos. 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40  
Seq#:109; N Pos. 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59  
Seq#:109; N Pos. 60,61,62,63,64,65,66  
Seq#:150; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:151; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:152; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:153; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:154; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:155; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:156; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:157; Xaa Pos. 2,3,4,5,6,8,9,10,11,12,14,17,18,21,22,23,24,25  
Seq#:158; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:159; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:160; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:161; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:162; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:163; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:164; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:165; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27  
Seq#:166; Xaa Pos. 1,2,4,5,6,7,8,10,11,12,13,14,16,19,20,23,24,25,26,27

## VERIFICATION SUMMARY

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:16

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

L:172 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:175 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18  
L:200 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:203 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:873 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:877 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68  
L:881 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68  
L:885 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68  
L:886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0  
M:341 Repeated in SeqNo=68  
L:899 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:903 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69  
L:907 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69  
L:911 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:69  
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0  
M:341 Repeated in SeqNo=69  
L:925 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:929 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:70  
L:933 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:70  
L:937 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:70  
L:938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0  
M:341 Repeated in SeqNo=70  
L:951 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:955 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:71  
L:959 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:71  
L:963 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:71  
L:964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0  
M:341 Repeated in SeqNo=71  
L:977 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:981 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:72  
L:985 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:72  
L:989 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:72  
L:993 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:72  
L:994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
M:341 Repeated in SeqNo=72  
L:1007 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1011 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1015 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1019 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:73  
L:1020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0  
M:341 Repeated in SeqNo=73  
L:1033 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1037 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1041 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1045 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:74  
L:1046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
M:341 Repeated in SeqNo=74  
L:1059 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

## VERIFICATION SUMMARY

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:16

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

L:1063 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:75  
L:1067 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:75  
L:1071 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:75  
L:1075 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:75  
L:1076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0  
M:341 Repeated in SeqNo=75  
L:1089 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1093 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:76  
L:1097 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:76  
L:1101 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:76  
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0  
M:341 Repeated in SeqNo=76  
L:1115 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1119 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1132 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1145 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1154 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1158 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1162 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:77  
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0  
M:341 Repeated in SeqNo=77  
L:1182 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:78  
L:1186 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:78  
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0  
L:1220 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1224 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:81  
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
L:1235 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1239 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:82  
L:1240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0  
L:1250 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1254 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:83  
L:1258 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:83  
L:1262 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:83  
L:1263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0  
L:1285 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1289 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:85  
L:1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0  
L:1318 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:88  
L:1323 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0  
L:1338 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0  
L:1573 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!



## VERIFICATION SUMMARY

DATE: 06/13/2003

PATENT APPLICATION: US/09/785,632C

TIME: 13:27:16

Input Set : A:\12279-002001.txt

Output Set: N:\CRF4\06132003\I785632C.raw

L:1578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:0  
M:341 Repeated in SeqNo=108  
L:1589 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0  
M:341 Repeated in SeqNo=109  
L:2180 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0  
M:341 Repeated in SeqNo=150  
L:2206 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0  
M:341 Repeated in SeqNo=151  
L:2232 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0  
M:341 Repeated in SeqNo=152  
L:2258 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0  
M:341 Repeated in SeqNo=153  
L:2284 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0  
M:341 Repeated in SeqNo=154  
L:2310 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0  
M:341 Repeated in SeqNo=155  
L:2336 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:0  
M:341 Repeated in SeqNo=156  
L:2362 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:0  
M:341 Repeated in SeqNo=157  
L:2388 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0  
M:341 Repeated in SeqNo=158  
L:2414 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:0  
L:2440 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2466 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2492 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2518 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2544 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2570 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2596 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:2622 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!